

**IN THE CLAIMS:**

Please amend the claims as follows:

1. (Currently Amended) Method for determining the envelope curve of a modulated input signal ( $S$ ) ~~with, comprising the following method steps of:~~

- ~~generation of generating~~ digital samples ( $A_n$ ) by digital sampling (1) ~~of the a modulated input signal ( $S$ ),~~
- ~~generation of generating~~ Fourier-transformed samples ( $B_n$ ) by Fourier transformation (2) ~~of transforming~~ the digital samples ( $A_n$ ),
- ~~generation of generating~~ sideband-cleaned, Fourier-transformed samples ( $B'_n$ ) by removing (3) ~~the a range (10)~~ with negative frequencies or ~~the a range (11)~~ with positive frequencies from the Fourier-transformed samples ( $B_n$ ),
- ~~generation of generating~~ inverse-transformed samples ( $C_n$ ) by inverse Fourier transformation (4) ~~of transforming~~ the sideband-cleaned, Fourier-transformed samples ( $B'_n$ ) and
- ~~formation (5) of the forming~~ values of the absolute value ( $D_m$ ) of the inverse-transformed samples ( $C_n$ ).

2. (Currently Amended) Method according to claim 1, ~~characterised in that in order to generate the sideband-cleaned, Fourier transformed samples ( $B'_n$ ), the comprising removing a level component (12) at the a zero frequency is also removed in addition to the range (10, 11) with the negative or positive frequencies in order to generate the sideband-cleaned, Fourier-transformed samples.~~

3. (Currently Amended) Method according to claim 1 or 2, ~~characterised in that, comprising processing the inverse-transformed samples ( $C_n$ ) are processed~~

further only in such a limited range (13) that a cyclic continuation, which is caused by the Fourier transform and inverse Fourier transform, is suppressed.

4. (Currently Amended) Method according to ~~one of the claims~~ claim 1 to 3, characterised in that, comprising logarithmizing the values of the absolute value ( $D_m$ ) are logarithmised relative to an effective value ( $D_{eff}$ ) of the inverse-transformed samples.

5. (Currently Amended) Method according to claim 4, characterised in that, comprising displaying the frequency distribution of the logarithmised logarithmized values ~~is displayed~~ as a function of the logarithmised logarithmized level (CCDF complementary cumulative distribution function[]).

6. (Currently Amended) Digital storage medium with electronically readable control signals which can cooperate with a programmable computer or digital signal processor ~~such that to implement~~ the method according to ~~one of the claims~~ claim 1 to 5 is implemented.

7. (Currently Amended) Computer programme program product with ~~programme a program~~ code ~~means~~ which are stored on a machine-readable carrier in order to ~~be able to~~ implement all the steps according to ~~one of the claims~~ claim 1 to 5 when the programme program is run on a computer or a digital signal processor.

8. (Currently Amended) Computer programme program with programme program code ~~means~~ in order to ~~be able to~~ implement all the steps according to ~~one of~~

~~the claims claim 1 to 5 when the programme program~~ is run on a computer or a digital signal processor.

9. (Currently Amended) Computer ~~programme program~~ with ~~programme program~~ code means in order to be able to implement all the steps according to ~~one of the claims claim 1 to 5 when the programme program~~ is stored on a machine readable data carrier.